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PLANTS PUSH METAL-SAVING, MAINTAINANCE CAMPAIGNS;
INSTITUTES AID INDUSTRIALISTS

PERSONAL ACCOUNTS PLAY BIG PART IN ECONOMY DRIVE -- Kiev, Pravda Ukrainy, 10 Jan 51

The Khar'kov Transport-Machinery Plant has saved great quantities of metal, electric power, and raw materials in the course of the socialist competitions in support of the great new construction projects. Personal accounts, opened by 2,000 workers have saved the state 5 million rubles' worth of material.

The plant has pledged a saving of 150 tons of rolled metal, 500 tons of cast iron, 700,000 kilowatt-hours of electric power, 10 tons of aluminum, 6 tons of bronze, 300 tons of mazut, and 100 tons of diesel fuel for this year. Tool-makers in the plant have pledged to save 100,000 rubles' worth of tools.

In addition, the plant has pledged to cast hundreds of tons of parts for new construction projects without resorting to overtime work.

IMPROVED FOUNDRY TECHNIQUES CHECK METAL LOSSES -- Alma-Ata, Kazakhstanskaya Pravda, 10 Jan 51

The Tallin Il'marin Plant has saved over 150 tons of first-class steel and iron during 1950 in the course of the metal-saving campaign which it initiated in observance of the great new construction projects. Each worker in the plant is subject to a personal account.

The Tallin Machine-Building Plant is now participating in the drive. The foundry workers have succeeded in obtaining higher accuracy in their castings, and loss of metal during smelting and pouring has been entirely eliminated. Every pourer has saved over one half ton of metal during 1950. Already, over 200 tons of steel, pig iron, and nonferrous metal have been saved.

The Tallin Vol'ta Plant has saved over 200 tons of metal.

In all, enterprises of Tallin have saved about 1,000 tons of metal during 1950.

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HARD-SURFACING UNIT CUTS COSTS -- Tashkent, Pravda Vostoka, 10 Jan 51

The Leningrad Kirov Plant has set up a special section where cutters and mills are hard-surfaced by an electric-arc machine. This treatment is cutting down expenditure of high-cost metal 74 percent and is considerably reducing the cost of tools. For every 100 semifinished mill-head cutters, 2,000 rubles are saved.

Recently, an automatic unit for applying the hard-surfacing was set up in the section. It is boosting the productivity of labor five times.

PROLONG OPERATING PERIOD OF MACHINES -- Leningradskaya Pravda, 30 Jan 51

Workers at the Leningrad Sevkabel' Plant are making special efforts to prolong the useful service of their machine tools, aggregates, and machines, with 70 percent of the entire park of equipment coming under a socialist maintenance program. In the rolling and drawing shop, 147 units have been put on the program. As a result, standstills of equipment have been cut 28 percent.

In the enamel shop the between-repair operation of equipment has been extended 7.4 months. A number of the shop's S-24 and M-24 enameling ovens have been reconditioned.

Repairmen of the plant, working in conjunction with the Scientific-Research Plywood Institute, have put some laminated-wood parts into production, effecting a considerable saving in nonferrous metal and textolite. By fitting its wire-braiding machines with plywood and metal parts, the plant is rendering them noiseless.

As a result of all the measures carried out, the running interval between repairs on equipment in the plant has been extended 7.2 months.

SCIENTISTS FOSTER HIGH-SPEED METHODS -- Tashkent, Pravda Vostoka, 10 Jan 51

Scientists of the Kiev Polytechnic Institute are working closely with engineers and technicians of the Bol'shevik Machine-Building Plant, the Plant imeni Gor'kiy, the Krasnyy Ekskavator Plant, and other Kiev enterprises.

The Department of Machine-Building Technology, under Professor S. S. Rudnik, has delivered over 200 lectures in the enterprises on high-speed machining and cutting methods, and has worked out a special table for high-speed metal cutting. Seminars are regularly conducted on problems of metal processing and heat treatment.

This creative collaboration between scientists and industrialists is reflected in the institute's contract with the Machine-Building Plant. Over 20 chairs of the institute have assisted it in some way. By applying an oxygen cutting device of its own design, the institute helped the plant to reduce cutting time for a certain large part from 2 days to 15-20 minutes.

In the machine-tool Plant imeni Gor'kiy, the institute was instrumental in achieving a reduction in metal-cutting time of 50-66 percent.

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SHOPS GO ON DAILY SCHEDULE -- Moscow, Moskovskaya Pravda, 3 Jan 51

The Moscow Dinamo Plant met the 1950 plan 4 days ahead of time. The plant's third machine shop recently went on a daily production schedule, assembling 40 crane motors on the first day of the change-over.

Following the example of the third machine shop, the first fittings shop is also preparing to go on a daily schedule.

IMPROVE QUALITY OF SPROCKET CHAINS -- Vil'nyus, Sovetskaya Litva, 9 Jan 51

The Vil'nyus Puntukas Plant has improved the quality and reduced the cost of its sprocket chains by switching from welding to stamping in turning out certain of their parts.

A new pattern plate developed in the foundry has made it possible to produce molds for 70 parts at once. Production of herringbone gears and sprockets has been simplified through the use of a special attachment invented at the plant.

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